

ABSTRACT OF THE DISCLOSURE

For manufacturing an individual fuel cell, first a knit or a similar porous support structure, such as, for example, a fabric, weave or plait of one or more metal wires is produced, upon which subsequently an cathode-electrolyte-anode unit is applied coat-by-coat and step-by-step. A fuel cell stack can then be assembled from the individual cells, with the individual cells separated from one another by bipolar plates. Locally different resistances to flow are provided to influence the reaction sequence in the individual fuel cell in a desired manner.